



We claim:

 1. An oligomerization process comprising contacting a hydrocarbon feedstock with a hydrotreating catalyst in the absence of hydrogen.

2. The process according to Claim 1, wherein said process is carried out in the liquid phase.


 3. The process according to Claim 1, wherein said hydrocarbon feedstock comprises sulfur-containing molecules and wherein said sulfur-containing molecules are oligomerized.

4. The process according to Claim 2, wherein said hydrotreating catalyst comprises non-acidic supported mixed metal oxides.

5. The process according to Claim 2, wherein said hydrotreating catalyst is supported on alumina and comprises mixed nickel and molybdenum oxides or mixed cobalt and molybdenum oxides.

6. The process according to Claim 1, wherein said catalyst is a heterogeneous catalyst selected from the group consisting of supported reduced metals, metals oxides, metal sulfides and combinations thereof.

7. The process according to Claim 2, wherein said catalyst is a heterogeneous catalyst selected from the group consisting of supported reduced metals, metals oxides, metal sulfides and combinations thereof.

 8. The process according to Claim 2, wherein said process is carried out at a temperature of from about 200°F to about 500°F; a space velocity of from about 0.1 WHSV to about 100 WHSV; and a pressure of from about 50 psig to about 1000 psig.

9. The process according to Claim 2, wherein said process is carried out at a temperature of from about 250°F to about 450°F; a space velocity of from about 0.1 WHSV to about 3 WHSV; and a pressure ranging from about 100 psig to about 500 psig.

10. The process according to Claim 2, wherein said hydrotreating catalyst is a NiMo/Al<sub>2</sub>O<sub>3</sub> catalyst.

The first three steps in solving these problems are:

add  
A3

add  
B1

add  
C1